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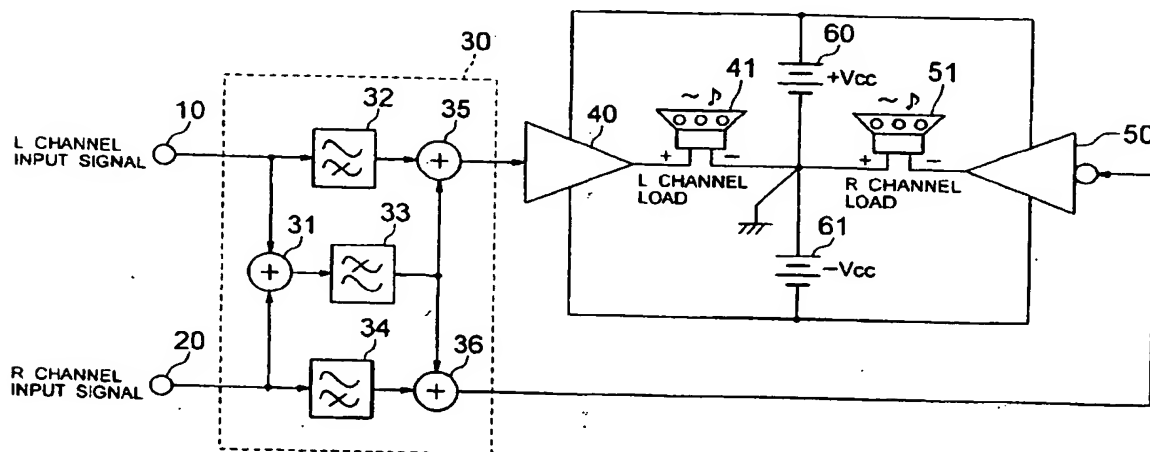
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(54) D-class power amplifier with electric power regeneration function

(57) A D-class power amplifier of two channels in which an increase in power voltage due to a regenerative current is prevented and a high efficiency in utilization of electric power is attained. Two D-class power amplifying circuits (40, 50) included in the D-class power amplifier of the two channels are constructed by opposite phases. A preprocess is performed only to low frequency

components of input signals (31, 33) so that they have a substantially equal amplitude in the two channels, and the resultant low frequency components are supplied to the D-class power amplifying circuits (40, 50) respectively. The other ends of loads (41, 51) connected to the D-class power amplifying circuits (40, 50) are connected to a neutral potential point of the power voltage.

FIG. 2



**ANNEX TO THE EUROPEAN SEARCH REPORT  
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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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